

# Fish Passage & Diversion Screening Inventory Database Report Cover Sheet

The following report is extracted from the Washington Department of Fish and Wildlife's (WDFW) Fish Passage and Diversion Screening Inventory Database (FPDSI). WDFW makes every attempt to keep these reports in sync with FPDSI; however, the dynamic nature of the data and workflows associated with maintaining the database may result in short-term differences.

Users are encouraged to contact WDFW to discuss appropriate use of the data and how we can assist with fish passage barrier removal or inventory. Please visit the Fish Passage web site for contact information at: https://wdfw.wa.gov/species-habitats/habitat-recovery/fish-passage/about

#### **Disclaimers:**

- Data presented here represent a snapshot observation of conditions in a dynamic environment that is subject to change. Fish passage data are also collected from a variety of agencies and sources. Therefore, WDFW makes no guarantee concerning the data's content, accuracy, completeness, or the results obtained from use of the data. WDFW assumes no liability for the data represented here.
- These data are not an attempt to provide you with an official agency response as to the impacts of your project on fish and wildlife.
- Note that some fish passage features, habitats or species may occur in areas not currently
  known to the WDFW Fish Passage division, and may not be reflected in this database. A lack of
  data does not necessarily indicate that a feature, habitat, or species are not present.
- Unauthorized attempts to alter or modify these data are strictly prohibited.
- Bankfull width measurements included in these reports should not be used for fish passage crossing design. They are solely for assessment purposes.
- The barrier status reported in this document is based on the swimming abilities of adult salmonids. Passabilities are a qualitative value, and should not be interpreted as a quantitative calculation. Please see page 1-4 of the Fish Passage Inventory, Assessment and Prioritization Manual for further clarification: https://wdfw.wa.gov/publications/02061
- EXIF data presented with Image Reports may be erroneous due to camera battery failures and resetting of camera clock functions.

#### Abbreviations:

Most abbreviations in this report are defined in the Quick Reference Tables of the Fish Passage Inventory, Assessment, and Prioritization Manual. Additional commonly used abbreviations are defined as follows:

**NFB** = no potential salmonid use, **BB** = both banks, **LB** = left bank looking downstream, **RB** = right bank looking downstream, **US** or **U/S** = upstream, **DS** or **D/S** = downstream, **WSDrop** = water surface drop, **BFW** = bankfull width, **OHW** = ordinary high water, **SLW** = scour line width, **CMP** = corrugated metal pipe, **Q**<sub>fp</sub> = fish passage flow, **V&D** = Velocity and Depth, **ROW** = Right of Way

The FPDSI database often uses default values such as '-99.99' or '-999' to represent null values.

#### **WDFW Fish Passage and Diversion Screening Inventory Database**

#### **Site Description Report**

ite ID 999114	Project	FBRB		☐ Mitigated	
Geographic Coordinat	es	Waterbo	dy		
Latitude (WGS 84):	48.319176743	Stream:		unnamed	
Longitude (WGS 84): -122.280296755		Tributar	у То:	Starbird Cr	
East (NAD 83 HARN):	1,207,110.2	WRIA:	WRIA:		
North (NAD 83 HARN)	1,093,932.4	River M	ile:	-999.99	
		Fish Us	e Potential	: Yes	
General Location		FUP Cr	teria:	Mapped	
Road Name:	Tyee Rd	Owner			
Mile Post:	-999.99	Type:	County		
County:	Skagit	Name:	Skagit Co	ounty	
WDFW Region:	4			•	
PI Species					
☐ Sockeye	☐ Chinook		✓ Sea I	Run Cutthroat	
Pink	✓ Coho		Resident Trout		
☐ Chum	✓ Steelhead	t	☐ Bull 1	「rout	
Associated Features					
✓ Culvert	☐ Dam	☐ Natural Ba	arrier	☐ Diversion	
$\square$ Non-Culvert Xing	$\square$ Other	$\square$ Fishway			
_ocation/Directions					
Site Comments					
Vetland upstream and	downstream. No defi	ined channel			
Tana apandam ana					

11/21/2021

These data represent a snapshot of the Washington Department of Fish and Wildlife's current records. Due to the ongoing nature of assessment and inventory of these features, these data may not accurately represent conditions on the ground, and are subject to change.

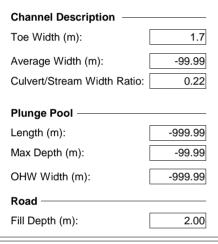
#### WDFW Fish Passage and Diversion Screening Inventory Database

#### **Level A Culvert Assessment Report**

Site ID:	999114				
Latitude:	48.319176743	Stream:	unnamed	WRIA:	03.0194
Longitude:	-122.280296755	Tributary To:	Starbird Cr	Fish Use Potential:	Yes

Data Source		Washington Department of Fish and Wildlife						
	Field Crew:	Barrett;Burns	Review Date: 4/19/2016					

Culvert Details					Level A Parameters								
<u>ID</u>	<u>Shape</u>	<u>Material</u>	<u>Span</u>	<u>Rise</u>	<u>Length</u>	<u>WDIC</u>	<u>Apron</u>	WSDrop	Location	Countersunk	<u>Backwater</u>	Slope (%)	<u>Sediment</u>
1.1	RND	CST	0.46	0.46	10.20	0.46	NO	0.00		No	Yes	2.25	
All	dimensio	ns in mete	ers										





364

14.82

PI Total

Assessme	nt Results	Tidal Influence:		Tidegate Present:	No	
Barrier:	Yes	Passability (%):	0	Method:	Other	
Reason:	Debris	Fishway Present:	No	Recheck:		
Comments						
Upstream end of pipe mostly filled with debris, blocking flow. Water is flowing over the road.						

3,483

# Potential Habitat Gain Survey Type: RSFS Spawning (sq m): 0 Length (m):

Rearing (sq m):

Significant Reach:

Yes

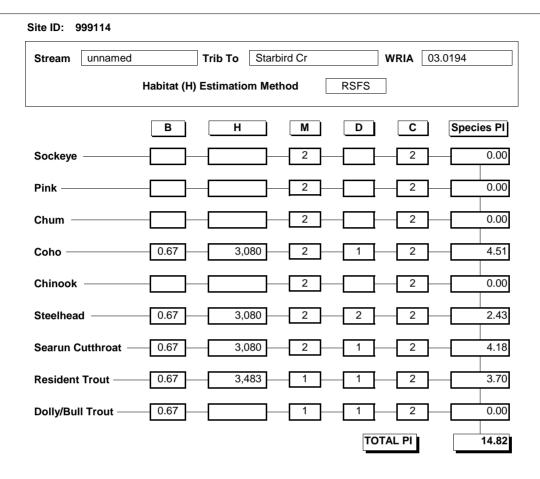
# WDFW Fish Passage and Diversion Screening Inventory Database Level B Culvert Assessment Report

Site ID:	999114						
Reference Point Elevation (m):	100.00 Location: Upstream culvert invert						
<b>Drainage Basin</b> Basin Area (sq m							
Culvert Elevation	ons						
Culvert ID 1.1	Corrugation         USIE (m)         USCBE (m)         DSIE (m)         DSCBE (m)         Sedim           Concrete         100.00         -999.99         99.79         -999.99	ent					
Downstream Co	ontrol						
X-Section							
<u>Station</u>	Top LB Toe LB Bed 1 Bed 2 Bed 3 Toe RB Top RB						
Distance (m) Elevation (m) Substrate	0.00     1.40     1.80     2.20     2.50     2.90     5.60       100.38     100.01     99.90     99.91     99.98     99.94     100.61						
Downstream Control Water Surface Elevation (m): 100.34  Downstream Control OHW Surface Elevation (m): -999.99							
Downstream of	Control						
Water Surface Elevation (m): 100.33 Channel Dominant Substrate: Mud							
Distance Downstream (m):							
Results Velocity (m/sec):	: 1.45 Depth (m): 0.09						

## WDFW Fish Passage and Diversion Screening Inventory Database Habitat Survey Summary Report

Site ID: 999114							
Latitude: <b>48.319176743</b> Longit	ude: -122.28029675	<b>5</b> WRIA:	03.0194				
Stream: unnamed Tributa	ary To: <b>Starbird Cr</b>	PI Total:	14.82				
Survey Type RSFS							
Spreadsheet File(s):							
03.0181 0.50.xls, 03.0181 0.50d.xl	s, 03.0181 0.50d5.xls,						
Downstream Survey							
Date: 4/30/2008 Crew: Livingood	;Whitney Leng	th (m): 8,133					
Downstream Comments:							
No spawning habitat. Good rearing habitat. Heavily impacted by cattle.							
Upstream Survey							
Date: 4/30/2008 Crew: Living	good;Whitney Leng	th (m): 364					
Upstream Comments:							
No spawning habitat (little to no grave which is source of flow.	l), wetland area above si	te 999114 leading into	) large pond				
Potential Habitat Gain							
Lineal (m): 364  Spawning Area (sq m): 0  Rearing Area (sq m): 3,483	Distribution  ● Anadromous  ○ Resident Only  ○ Unknown	Gain Direction (Resi	dent Only):				
Potential Species Benefit							
☐ Sockeye / Kokanee	☐ Chinook	Searun Cutthro	at				
☐ Pink	✓ Coho	✓ Resident Trout					
☐ Chum	✓ Steelhead	☐ Bull Trout					

# WDFW Fish Passage and Diversion Screening Inventory Database Barrier Priority Index Report



B = proportion of fish passage improvement (1, 0.67, 0.33).

H = potential habitat gain (square meters), spawning habitat for sockeye, pink and chum, rearing habitat for the rest.

M= mobility modifier (anadromous = 2, resident = 1).

D = stock condition modifier (critical = 3, depressed = 2, not 2 or 3 = 1).

C= repair cost modifier (<\$100K = 3, \$100K - \$500K = 2, >\$500K = 1).

### WDFW Fish Passage and Diversion Screening Inventory Database Image Report - Active

Site ID:	999114				
Latitude:	48.319176743	Stream:	unnamed	WRIA:	03.0194
Longitude:	-122.280296755	Tributary To: Starbird Cr		Fish Use Potential:	Yes
Associate	ed Features				
✓ Culv	ert -Culvert Xing	☐ Dam	<ul><li>☐ Natural Barrier</li><li>☐ Fishway</li></ul>	Diversion	





